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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/835,818	04/17/2001	Kelvin G.M. Brockbank	105452	5532
25944	7590 12/23/2003		EXAMINER	
OLIFF & BERRIDGE, PLC			MARVICH, MARIA	
P.O. BOX 19928 ALEXANDRIA, VA 22320			ART UNIT	PAPER NUMBER
	,		1636	14
			DATE MAILED: 12/23/2003	3

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
Office Action Summary		09/835,818	BROCKBANK ET AL.				
		Examiner	Art Unit				
		Maria B Marvich, PhD	1636				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
THE - Exte after - If the - If NO - Failu - Any	ORTENED STATUTORY PERIOD FOR REPL MAILING DATE OF THIS COMMUNICATION. nsions of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. It is period for reply specified above is less than thirty (30) days, a repl or period for reply is specified above, the maximum statutory period for reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a reply be tin ly within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from a. cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).				
1)⊠	Responsive to communication(s) filed on 21 J	anuary 200 <u>3</u> .					
2a) <u></u>	This action is FINAL . 2b)⊠ This	action is non-final.					
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the ments is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims							
4) 🖂	4)⊠ Claim(s) <u>1-19</u> is/are pending in the application.						
	4a) Of the above claim(s) <u>1-10</u> is/are withdrawn from consideration.						
5) 🗌	Claim(s) is/are allowed.						
6)⊠	⊠ Claim(s) 11-14 and 16 is/are rejected.						
7) 🔯	☑ Claim(s) <u>15 and 17-19</u> is/are objected to.						
8) 🗌	8) Claim(s) are subject to restriction and/or election requirement.						
Applicat	ion Papers						
,	The specification is objected to by the Examine						
10)⊠	10)⊠ The drawing(s) filed on <u>17 April 2001</u> is/are: a)⊠ accepted or b)⊡ objected to by the Examiner.						
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. §§ 119 and 120							
a) * 5 13)⊠ / s 3 a 14)	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Burea See the attached detailed Office action for a list Acknowledgment is made of a claim for domest ince a specific reference was included in the fir 7 CFR 1.78. 1) The translation of the foreign language process of the company of	ts have been received. Its have been received in Applicationity documents have been received in (PCT Rule 17.2(a)). In of the certified copies not received ic priority under 35 U.S.C. § 119(a) st sentence of the specification of the priority under 35 U.S.C. §§ 1200 priority under 35 U.S.C. §§ 120	ion No ed in this National Stage ed. e) (to a provisional application) r in an Application Data Sheet. eeived. and/or 121 since a specific				
Attachment(s)							
2) Notic	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449) Paper No(s) _	5) 🔲 Notice of Informal F	(PTO-413) Paper No(s) Patent Application (PTO-152)				

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DETAILED ACTION

This office action is in response to an amendment filed 1/21/03. Claims 1-19 are pending in this application. Claims 1-10 are withdrawn from consideration. Claim 12 is amended. The Declaration filed 1/21/03 has been considered. There is a new rejection herein and therefore, this office action is non-final.

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 11-14 and 16 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 15-18 of U.S. application 10/099,943.

This is a new rejection.

An obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but an examined application claim is not patentably distinct from the reference claims because the examined claim is either anticipated by, or would have been obvious over, the reference claims. Although the conflicting claims are not identical, they are not patentably distinct from each other because the cited claims of the instant invention are

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generic to all that is recited in claims 15-18 of U.S. application 10/099,943. That is, the cited claims of U.S. application 10/099,943 anticipate and fall entirely within the scope of the rejected claims of the instant application. Specifically, both the instant invention and the U.S. application 10/099,943 claim a cryopreservation composition comprising cyclohexanediol such as 1,3-cyclohexanediol or 1,4 cyclohexanediol in an amount from 0.05 to 2.0 M and at least one additional cryoprotectant which list found in claim 14 of the instant invention is found in claim 17 of US application 10/099,943.

Additionally, if a patent resulting from the instant claims was issued and transferred to an assignee different from the assignee holding the U.S. application 10/099,943, then two different assignees would hold a patent to the claimed invention of U.S. application 10/099,943, and thus improperly there would be possible harassment by multiple assignees.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 11-14 are rejected under 35 U.S.C. 102(e) as being anticipated by Fahy (US 2003/0111638 A1), see entire document. This is a new rejection.

Fahy teaches compositions comprising ice-controlling molecules. The molecules are based upon cyclohexanediol such as 1,3-cyclohexanediol (1,3-CHD). Figure 17-18 shows the

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effect of 1, 3-CHD on cryopreservation. The cryopreservative used in the invention of Fahy is

comprised of 6% CHD in DMSO and formamide (see e.g. paragraph 0114). 6% CHD is about

0.05 M.

Conclusion

Claims 11-14 and 16 are rejected.

Claims 15 and 17-19 are objected to as being dependent upon a rejected base claim, but

would be allowable if rewritten in independent form including all of the limitations of the base

claim and any intervening claims.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Maria B Marvich, PhD whose telephone number is (703) 605-

1207. The examiner can normally be reached on M-F (6:30-3:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Remy Yucel, PhD can be reached on (703) 305-1998. The fax phone number for the

organization where this application or proceeding is assigned is (703) 308-4242.

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the receptionist whose telephone number is (703) 308-0196.

Maria B Marvich, PhD

Examiner

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December 20, 2003

REMY YUCEL, PH.D SUPERVISORY PATENT EXAMINER Page 4

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